



THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEE FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

B. White  
8-13-93

In re application of :  
Edwin SOUTHERN :  
Serial No. 07/695,682 : Group Art Unit 1807  
Filed May 3, 1991 : Examiner A. Marschel  
ANALYSING POLYNUCLEOTIDE :  
SEQUENCES :  
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AMENDMENT

Honorable Commissioner of Patents and Trademarks,  
Washington, D.C.

Sir:

In response to the Official Action of March 23, 1993,  
the period for response having been extended for one month by the  
attached Petition, please amend the present application as  
follows:

IN THE SPECIFICATION:

Page 20, line 6, change "positons" to --positions--.

IN THE CLAIMS:

1. (Amended) Apparatus for analyzing a polynucleotide  
[sequence], comprising a support and attached to a surface  
thereof an array of oligonucleotides comprising the whole or a  
[chosen] defined part of a complete set of oligonucleotides of  
chosen lengths, the different oligonucleotides [occupying  
separate cells of the array and] being capable of taking part in  
hybridization reactions.

2. (Twice Amended) Apparatus for studying differences  
between [polynucleotide sequences] polynucleotides, comprising a  
support and attached to a surface thereof an array of  
oligonucleotides comprising the whole or a [chosen] defined part  
of a complete set of oligonucleotides of chosen lengths  
corresponding to the [polynucleotide sequences] polynucleotides,  
the different oligonucleotides [occupying separate cells of the